

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090109 A1

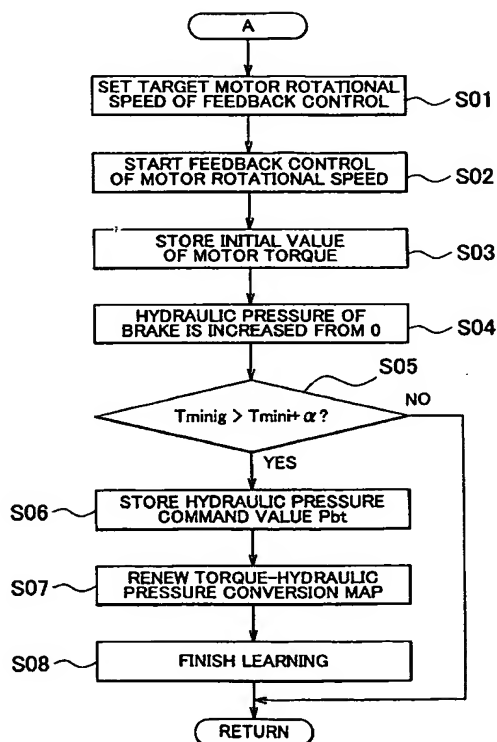
- (51) International Patent Classification⁷: **B60K 6/04**
- (21) International Application Number:
PCT/IB2005/000666
- (22) International Filing Date: 16 March 2005 (16.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2004-087163 24 March 2004 (24.03.2004) JP
- (71) Applicant (for all designated States except US): **TOYOTA JIDOSHA KABUSHIKI KAISHA [JP/JP]**; 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **ENDO, Hiroatsu [JP/JP]**; c/o **TOYOTA JIDOSHA KABUSHIKI KAISHA**, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: CONTROL APPARATUS AND CONTROL METHOD FOR DRIVE APPARATUS OF HYBRID VEHICLE



(57) Abstract: A control method for a drive apparatus of a hybrid vehicle in which an assist power source is connected to an output member connected to an engine through a torque transmitting member whose torque capacity is changed according to an engagement control amount includes the steps of maintaining a rotational speed of the assist power source at a predetermined rotational speed (step S02); continuously changing the engagement control amount while maintaining the rotational speed of the assist power source at the predetermined rotational speed (step S04); and learning a relationship between output torque of the assist power source for maintaining the rotational speed of the assist power source and the engagement control amount when the output torque of the assist power source reaches a predetermined value while the engagement control amount is changed (step S06).



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.